

ABSTRACT OF THE DISCLOSURE

An OFDM receiver has four antennas or more for receiving an OFDM modulated high frequency signal, and 5 plural OFDM demodulators for inputting a base band signal of a time area thereto on the basis of the high frequency signal and outputting the base band signal of a frequency area, wherein the OFDM demodulators are arranged every plural antenna groups with two or more of the antennas as 10 one group, and a signal is diversity-synthesized by a first phase shifter until the base band signal of the time area is inputted to each of the OFDM demodulators, and the base band signal of the frequency area is diversity-synthesized by a second phase shifter.